



RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/911,132
Source: OIPÉ
Date Processed by STIC: 2/25/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/911,132

DATE: 02/25/2002

TIME: 10:07:43

Input Set : A:\seq_listing.txt

Output Set: N:\CRF3\02252002\I911132.raw

Does Not Comply
Corrected Diskette Needed*Errors on pp. 1-5.*

3 <110> APPLICANT: Roche Diagnostics GmbH
 5 <120> TITLE OF INVENTION: Expression of alkaline phosphatase in yeast
 7 <130> FILE REFERENCE: 5387/00/
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/911,132
 C--> 10 <141> CURRENT FILING DATE: 2001-07-23
 12 <160> NUMBER OF SEQ ID NOS: 38
 14 <170> SOFTWARE: PatentIn Ver. 2.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 1476
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Bovine
 21 <400> SEQUENCE: 1
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 23 gcccttgatg tagccaagaa gttgcagccg atccagacag ctgccaagaa tgtcatcctc 120
 24 ttcttggggg atgggatggg ggtgcctacg gtgacagcca ctcgatcct aaaggggcag 180
 25 atgaatggca aactgggacc tgagacaccc ctggccatgg accagttccc atacgtggct 240
 26 ctgtccaaga catacaacgt ggacagacag gtgccagaca gcgcaggcac tgccactgcc 300
 27 tacctgtgtg ggggtcaagg caactacaga accatcggtg taagtgcagc cgcccgtac 360
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 29 gcagggaagg ccgtgggagt ggtgaccacc accaggggtg agcatgcctc ccagccggg 480
 30 gcctacgcgc acacggtgaa ccgaaactgg tactcagacg ccgacctgcc tgctgatgca 540
 31 cagaagaatg gctgccagga catcgccgca cagctggtct acaacatgga tattgacgtg 600
 32 atcctgggtg gaggccgaat gtacatgttt cctgagggga cccagaccc tgaataccca 660
 33 gatgatgcca gtgtgaatgg agtccggaag gacaagcaga acctggtgca ggaatggcag 720
 34 gccaagcacc agggagccca gtatgtgtgg aaccgcactg cgctccttca ggcggccgat 780
 35 gactccagtg taacacacct catgggcctc tttgagccgg cagacatgaa gtataatgtt 840
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 37 ctgagcagga acccccgggg cttctacctc ttcgtggagg gaggccgcat tgaccacggt 960
 38 caccatgacg gcaaagctta tatggcactg actgaggcga tcatgtttga caatgccatc 1020
 39 gccaaggcta acgagctcac tagcgaactg gacacgctga tccttgtcac tgcagaccac 1080
 40 tcccatgtct tctcttttgg tggctacaca ctgcgtggga cctccatttt cggctctggc 1140
 41 ccgggcaagg ccttagacag caagtcctac acctccatcc tctatggcaa tggcccaggc 1200
 42 tatgcgcttg gcgggggctc gagggccgat gttaatggca gcacaagcga ggaaccctca 1260
 43 taccggcagc aggcggccgt gccctggct agcgagaccc acgggggcga agacgtggcg 1320
 44 gtgttcgcgc gagggccgca ggcgcacctg gtgcacggcg tgcaggagga gaccttcgtg 1380
 45 gcgcacatca tggcctttgc gggctgcgtg gagccctaca ccgactgcaa tctgccagcc 1440
 46 cccgccaccg ccaccagcat ccccgactag ggtacc 1476
 48 <210> SEQ ID NO: 2
 49 <211> LENGTH: 40
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: Description of Artificial Sequence

invalid response, see
 error summary
 sheet, item 11.

Artificial

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Input Set : A:\seq_listing.txt

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56 <400> SEQUENCE: 2

57 gcgcgaattc ctcatcccag ctgaggagga aaaccccgcc

40

59 <210> SEQ ID NO: 3

60 <211> LENGTH: 36

61 <212> TYPE: DNA

62 <213> ORGANISM: Artificial Sequence

64 <220> FEATURE:

65 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

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68 cgcgggtacc ctagtcgggg atgctggtgg cggtgg

36

70 <210> SEQ ID NO: 4

71 <211> LENGTH: 487

72 <212> TYPE: PRT

73 <213> ORGANISM: Bovine

75 <400> SEQUENCE: 4

76 Leu Ile Pro Ala Glu Glu Glu Asn Pro Ala Phe Trp Asn Arg Gln Ala

77 1 5 10 15

79 Ala Gln Ala Leu Asp Val Ala Lys Lys Leu Gln Pro Ile Gln Thr Ala

80 20 25 30

82 Ala Lys Asn Val Ile Leu Phe Leu Gly Asp Gly Met Gly Val Pro Thr

83 35 40 45

85 Val Thr Ala Thr Arg Ile Leu Lys Gly Gln Met Asn Gly Lys Leu Gly

86 50 55 60

88 Pro Glu Thr Pro Leu Ala Met Asp Gln Phe Pro Tyr Val Ala Leu Ser

89 65 70 75 80

91 Lys Thr Tyr Asn Val Asp Arg Gln Val Pro Asp Ser Ala Gly Thr Ala

92 85 90 95

94 Thr Ala Tyr Leu Cys Gly Val Lys Gly Asn Tyr Arg Thr Ile Gly Val

95 100 105 110

97 Ser Ala Ala Arg Tyr Asn Gln Cys Asn Thr Thr Arg Gly Asn Glu

98 115 120 125

100 Val Thr Ser Val Ile Asn Arg Ala Lys Lys Ala Gly Lys Ala Val Gly

101 130 135 140

103 Val Val Thr Thr Thr Arg Val Gln His Ala Ser Pro Ala Gly Ala Tyr

104 145 150 155 160

106 Ala His Thr Val Asn Arg Asn Trp Tyr Ser Asp Ala Asp Leu Pro Ala

107 165 170 175

109 Asp Ala Gln Lys Asn Gly Cys Gln Asp Ile Ala Ala Gln Leu Val Tyr

110 180 185 190

112 Asn Met Asp Ile Asp Val Ile Leu Gly Gly Gly Arg Met Tyr Met Phe

113 195 200 205

115 Pro Glu Gly Thr Pro Asp Pro Glu Tyr Pro Asp Asp Ala Ser Val Asn

116 210 215 220

118 Gly Val Arg Lys Asp Lys Gln Asn Leu Val Gln Glu Trp Gln Ala Lys

119 225 230 235 240

121 His Gln Gly Ala Gln Tyr Val Trp Asn Arg Thr Ala Leu Leu Gln Ala

122 245 250 255

124 Ala Asp Asp Ser Val Thr His Leu Met Gly Leu Phe Glu Pro Ala

125 260 265 270

same error

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Input Set : A:\seq listing.txt

Output Set: N:\CRF3\02252002\I911132.raw

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127 Asp Met Lys Tyr Asn Val Gln Gln Asp His Thr Lys Asp Pro Thr Leu
128          275          280          285
130 Ala Glu Met Thr Glu Ala Ala Leu Gln Val Leu Ser Arg Asn Pro Arg
131          290          295          300
133 Gly Phe Tyr Leu Phe Val Glu Gly Gly Arg Ile Asp His Gly His His
134 305          310          315          320
136 Asp Gly Lys Ala Tyr Met Ala Leu Thr Glu Ala Ile Met Phe Asp Asn
137          325          330          335
139 Ala Ile Ala Lys Ala Asn Glu Leu Thr Ser Glu Leu Asp Thr Leu Ile
140          340          345          350
142 Leu Val Thr Ala Asp His Ser His Val Phe Ser Phe Gly Gly Tyr Thr
143          355          360          365
145 Leu Arg Gly Thr Ser Ile Phe Gly Leu Ala Pro Gly Lys Ala Leu Asp
146          370          375          380
148 Ser Lys Ser Tyr Thr Ser Ile Leu Tyr Gly Asn Gly Pro Gly Tyr Ala
149 385          390          395          400
151 Leu Gly Gly Gly Ser Arg Pro Asp Val Asn Gly Ser Thr Ser Glu Glu
152          405          410          415
154 Pro Ser Tyr Arg Gln Gln Ala Ala Val Pro Leu Ala Ser Glu Thr His
155          420          425          430
157 Gly Gly Glu Asp Val Ala Val Phe Ala Arg Gly Pro Gln Ala His Leu
158          435          440          445
160 Val His Gly Val Gln Glu Glu Thr Phe Val Ala His Ile Met Ala Phe
161          450          455          460
163 Ala Gly Cys Val Glu Pro Tyr Thr Asp Cys Asn Leu Pro Ala Pro Ala
164 465          470          475          480
166 Thr Ala Thr Ser Ile Pro Asp
167          485

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170 <210> SEQ ID NO: 5

171 <211> LENGTH: 1476

172 <212> TYPE: DNA

173 <213> ORGANISM: Artificial Sequence

175 <220> FEATURE:

176 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

178 <400> SEQUENCE: 5

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179 gaattcttga ttccagctga agaagaaaat ccagcttttt ggaatagaca agctgctcaa 60
180 gctttggatg ttgctaagaa gttgcaacca attcaaactg ctgctaagaa tgttattttg 120
181 tttttgggtg atggtatggg tgttccaact gttactgcta ctagaatttt gaaggggtcaa 180
182 atgaatggta agttgggtcc agaaactcca ttggctatgg atcaatttcc atacgttgct 240
183 ttgtctaaga cttacaatgt tgatagacaa gttccagatt ctgctggtac tgctactgct 300
184 tacttggtg gtgttaagg taattacaga actattggtg tttctgctgc tgctagatac 360
185 aatcaatgta atactactag aggtaatgaa gttacttctg ttattaatag agctaagaag 420
186 gctggttaagg ctgttggtgt tgttactact actagagttc aacatgcttc tccagctggt 480
187 gcttacgctc atactgttaa tagaaattgg tactctgatg ctgatttgcc agctgatgct 540
188 caaagaatg gttgtcaaga tattgctgct caattggttt acaatatgga tattgatggt 600
189 attttgggtg gtggtagaat gtacatgttt ccagaaggta ctccagatcc agaataccca 660
190 gatgatgctt ctgttaatgg tgtagaaag gataagcaaa atttggttca agaatggcaa 720
191 gctaagcatc aaggtgctca atatgtttgg aatagaactg ctttggttgc agctgctgat 780
192 gattctagtg ttactcattt gatgggtttg tttgaaccag ctgatatgaa gtataatggt 840

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same error

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/911,132

DATE: 02/25/2002
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Input Set : A:\seq_listing.txt
Output Set: N:\CRF3\02252002\I911132.raw

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193 caacaagatc atactaagga tccaactttg gctgaaatga ctgaagctgc tttgcaagtt 900
194 ttgtctagaa atccaagagg tttttacttg tttgttgaag gtggtagaat tgatcatggt 960
195 catcatgatg gtaaggctta tatggctttg actgaagcta ttatgtttga taatgctatt 1020
196 gctaaggcta atgaattgac ttctgaattg gatactttga ttttggttac tgctgatcat 1080
197 agtcatgttt tttcttttgg tggttacact ttgagaggta cttctatttt tggtttggct 1140
198 ccaggtaagg ctttgatag taagtcttac acttctattt tgtatggtaa tgggccaggt 1200
199 tatgctttgg gtggtggttc tagaccagat gttaatggta gtactagtga agaaccatct 1260
200 tacagacaac aagctgctgt tccattggct agtgaaactc atggtggtga agatgttgct 1320
201 gttttttgcta gaggtccaca agctcatttg gttcatgggt ttcaagaaga aacttttggt 1380
202 gctcatatta tggcttttgc tggttgtgtt gaaccataca ctgattgtaa tttgccagct 1440
203 ccagctactg ctactagtat tccagattaa ggtacc 1476

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205 <210> SEQ ID NO: 6

206 <211> LENGTH: 78

207 <212> TYPE: DNA

208 <213> ORGANISM: Artificial Sequence

210 <220> FEATURE:

211 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

213 <400> SEQUENCE: 6

214 gcgcgaattc ttgattccag ctgaagaaga aaatccagct ttttgaata gacaagctgc 60

215 tcaagctttg gatgttgc 78

217 <210> SEQ ID NO: 7

218 <211> LENGTH: 70

219 <212> TYPE: DNA

220 <213> ORGANISM: Artificial Sequence

222 <220> FEATURE:

223 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

225 <400> SEQUENCE: 7

226 ccaaaaacaa aataacattc ttagcagcag tttgaattgg ttgcaacttc ttagcaacat 60

227 ccaaagcttg 70

229 <210> SEQ ID NO: 8

230 <211> LENGTH: 69

231 <212> TYPE: DNA

232 <213> ORGANISM: Artificial Sequence

234 <220> FEATURE:

235 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

237 <400> SEQUENCE: 8

238 gaatgttatt ttgtttttgg gtgatggtat ggggtgtcca actgttactg ctactagaat 60

239 tttgaagg 69

241 <210> SEQ ID NO: 9

242 <211> LENGTH: 70

243 <212> TYPE: DNA

244 <213> ORGANISM: Artificial Sequence

246 <220> FEATURE:

247 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial

249 <400> SEQUENCE: 9

250 ggaaattgat ccatagccaa tggagtttct ggaccaact taccattcat ttgacccttc 60

251 aaaattctag 70

253 <210> SEQ ID NO: 10

254 <211> LENGTH: 71

same error

same

same

same

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/911,132

DATE: 02/25/2002
TIME: 10:07:43

Input Set : A:\seq listing.txt
Output Set: N:\CRF3\02252002\I911132.raw

255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial *Same*
261 <400> SEQUENCE: 10
262 gctatggatc aatttcata cgttgctttg tctaagactt acaatggtga tagacaagtt 60
263 ccagattctg c 71
265 <210> SEQ ID NO: 11
266 <211> LENGTH: 71
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial *Same*
273 <400> SEQUENCE: 11
274 ccaatagttc tgtaattacc cttaacacca cacaagtaag cagtagcagt accagcagaa 60
275 tctggaactt g 71
277 <210> SEQ ID NO: 12
278 <211> LENGTH: 72
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial *Same*
285 <400> SEQUENCE: 12
286 gtaattacag aactattggt gtttctgctg ctgctagata caatcaatgt aatactacta 60
287 gaggtaatga ag 72
289 <210> SEQ ID NO: 13
290 <211> LENGTH: 74
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial *Same*
297 <400> SEQUENCE: 13
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299 attacctcta gtag 74
301 <210> SEQ ID NO: 14
302 <211> LENGTH: 74
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial *Same*
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311 catactgtta atag 74
313 <210> SEQ ID NO: 15
314 <211> LENGTH: 68
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: Description of Artificial Sequence: Artificial *Same*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/911,132

DATE: 02/25/2002

TIME: 10:07:44

Input Set : A:\seq listing.txt

Output Set: N:\CRF3\02252002\I911132.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date